

AVERAGE DAILY UNIT POWER LEVEL

Completed by L. K. Miller

Docket No. 50-272
Unit Name Salem # 1
Date August 10, 1983
Telephone 609-935-6000
Extension 4455

Month July 1983

Day Average Daily Power Level
(MWe-NET)

1	<u>1110</u>
2	<u>1078</u>
3	<u>1057</u>
4	<u>1109</u>
5	<u>1084</u>
6	<u>1069</u>
7	<u>1065</u>
8	<u>1097</u>
9	<u>1077</u>
10	<u>1089</u>
11	<u>1090</u>
12	<u>1090</u>
13	<u>1063</u>
14	<u>1080</u>
15	<u>1042</u>

Day Average Daily Power Level
(MWe-NET)

16	<u>1087</u>
17	<u>1087</u>
18	<u>1088</u>
19	<u>1074</u>
20	<u>1108</u>
21	<u>1037</u>
22	<u>1052</u>
23	<u>1080</u>
24	<u>879</u>
25	<u>1037</u>
26	<u>1095</u>
27	<u>1076</u>
28	<u>1075</u>
29	<u>1090</u>
30	<u>1059</u>
31	<u>1066</u>

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OPERATING DATA REPORT

Docket No. 50-272
 Date August 10, 1983
 Telephone 935-6000
 Extension 4455

Completed by L. K. Miller

Operating Status

	<u>Salem No. 1</u>	<u>Notes</u>
1. Unit Name	<u>July 1983</u>	
2. Reporting Period		
3. Licensed Thermal Power (MWt)	<u>3338</u>	
4. Nameplate Rating (Gross MWe)	<u>1135</u>	
5. Design Electrical Rating (Net MWe)	<u>1090</u>	
6. Maximum Dependable Capacity (Gross MWe)	<u>1124</u>	
7. Maximum Dependable Capacity (Net MWe)	<u>1079</u>	
8. If Changes Occur in Capacity Ratings (items 3 through 7) since Last Report, Give Reason		

N/A

9. Power Level to Which Restricted, if any (Net MWe) N/A

10. Reasons for Restrictions, if any N/A

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	<u>744</u>	<u>5087</u>	<u>54096</u>
12. No. of Hrs. Reactor was Critical	<u>744</u>	<u>1958</u>	<u>29683.2</u>
13. Reactor Reserve Shutdown Hrs.	<u>0</u>	<u>2033.4</u>	<u>3006.5</u>
14. Hours Generator On-Line	<u>744</u>	<u>1724.3</u>	<u>28372</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2475046.0</u>	<u>5538318</u>	<u>84708509</u>
17. Gross Elec. Energy Generated (MWH)	<u>829490</u>	<u>1868440</u>	<u>27833290</u>
18. Net Elec. Energy Generated (MWH)	<u>796645</u>	<u>1752098</u>	<u>26346951</u>
19. Unit Service Factor	<u>100</u>	<u>33.9</u>	<u>52.4</u>
20. Unit Availability Factor	<u>100</u>	<u>33.9</u>	<u>52.4</u>
21. Unit Capacity Factor (using MDC Net)	<u>99.2</u>	<u>31.9</u>	<u>45.1</u>
22. Unit Capacity Factor (using DER Net)	<u>98.2</u>	<u>31.6</u>	<u>44.7</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>58.6</u>	<u>31.0</u>
24. Shutdowns scheduled over next 6 months (type, date and duration of each)			

N/A

25. If shutdown at end of Report Period, Estimated Date of Startup:

N/A

26. Units in Test Status (Prior to Commercial Operation):

	<u>Forecast</u>	<u>Achieved</u>
Initial Criticality	<u>9/30/76</u>	<u>12/11/76</u>
Initial Electricity	<u>11/1/76</u>	<u>12/25/76</u>
Commercial Operation	<u>12/20/76</u>	<u>6/30/77</u>

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH JULY 1983

Docket No. 50-272
Unit Name Salem No.1
Date August 10, 1983
Telephone 609-935-6000
Extension 4455

Completed by L.K. Miller

No.	Date	Type 1	Duration Hours	Reason 2	Method of Shutting Down Reactor	License Event Report	System Code 4	Component Code 5	Cause and Corrective Action to Prevent Recurrence
83-134	7/03	F	7.8	B	5	---	HF	FILTER	Traveling Screen/ Trash Rack Canal Screens
83-136	7/04	"	7.8	"	"	"	HF	FILTER	" " "
83-138	7/06	"	40.3	"	"	"	"	"	" " "
83-140	7/08	"	7.3	"	"	"	"	"	" " "
83-142	7/09	"	3.2	"	"	"	"	"	" " "
83-144	7/09	"	4.5	"	"	"	"	"	" " "
83-146	7/10	"	6.6	"	"	"	"	"	" " "
83-148	7/10	"	2.6	"	"	"	"	"	" " "
83-150	7/13	"	3.6	"	"	"	"	"	" " "
83-152	7/14	"	3.9	"	"	"	"	"	" " "
83-154	7/14	"	5.0	"	"	"	"	"	" " "

1
F: Forced
S: Scheduled

2 Reason
A-Equipment Failure-explain
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & Licensing Exam
F-Administrative
G-Operational Error-explain
H-Other-explain

3 Method
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Continuation of
Previous Outage
5-Load Reduction
9-Other

4 Exhibit G
Instructions
for Preparation of Data
Entry Sheets
for Licensee
Event Report
(LER) File
(NUREG 0161)

5 Exhibit 1
Salem as
Source

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH JUNE 1983

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Docket No. 50-272
Unit Name Salem No.1
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83-156	7/14	"	6.1	"	"	"	"	"	"	"	"
83-158	7/14	"	5.2	"	"	"	HB	HTEXCH	Feedwater LP Heater Tube Leaks		
83-160	7/15	"	23.6	"	"	"	HF	FILTER	Traveling Screens/ Trash Racks/Canal Screens		
83-162	7/20	"	3.3	"	"	"	"	"	"	"	"
83-164	7/20	"	3.3	"	"	"	"	"	"	"	"
83-166	7/20	"	3.7	"	"	"	"	"	"	"	"
83-168	7/21	"	7.3	"	"	"	"	"	"	"	"
83-170	7/21	"	10.3	"	"	"	"	"	"	"	"
83-172	7/23	"	6.1	"	"	"	"	"	"	"	"
83-174	7/23	"	6.4	"	"	"	"	"	"	"	"
83-176	7/24	"	13.7	"	"	"	"	"	"	"	"
83-178	7/24	"	4.6	A	"	"	HH	HTEXCH	Condensate Piping		

1
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S: Scheduled

2 Reason
A-Equipment Failure-explain
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & Licensing Exam
F-Administrative
G-Operational Error-explain
H-Other-explain

3 Method
1-Manual
2-Manual Scram.
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Previous Outage
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9-Other

4 Exhibit G
Instructions
for Prepara-
tion of Data
Entry Sheets
for Licensee
Event Report
(LER) File
(NUREG 0161)

5 Exhibit 1
Salem as
Source

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH JUNE 1983

Docket No. 50-272
Unit Name Salem No.1
Date July 10, 1983
Telephone 609-935-6000
Extension 4455

Completed by L.K. Miller

83-180	7/24	F	7.0	B	5	---	HF	FILTER	Traveling Screens/ Trash Racks/Canal Screens
83-182	7/25	"	5.8	"	"	"	"	"	" " "
83-184	7.26	"	3.7	"	"	"	"	HTEXCH	Condenser Tube and Water Box Cleaning
83-186	7/26	"	9.4	"	"	"	"	FILTER	Traveling Screens/ Trash Racks/Canal Screens
83-188	7/28	"	3.3	"	"	"	"	"	" " "
83-190	7/28	"	2.5	"	"	"	"	"	" " "
83-192	7/30	"	9.4	"	"	"	"	HTEXCH	Condenser Tube and Water Box Cleaning
83-194	7/31	"	6.0	A	"	"	"	"	Condenser Tube Leaks

1	2 Reason	3 Method	4 Exhibit G	5 Exhibit 1
F: Forced	A-Equipment Failure-explain	1-Manual	Instructions	Salem as
S: Scheduled	B-Maintenance or Test	2-Manual Scram.	for Prepara-	Source
	C-Refueling	3-Automatic Scram.	tion of Data	
	D-Regulatory Restriction	4-Continuation of	Entry Sheets	
	E-Operator Training & Licensing Exam	Previous Outage	for Licensee	
	F-Administrative	5-Load Reduction	Event Report	
	G-Operational Error-explain	9-Other	(LER) File	
	H-Other-explain		(NUREG 0161)	

MAJOR PLANT MODIFICATIONS

REPORT MONTH JULY 1983DOCKET NO: 50-272UNIT NAME: SALEM 1DATE: August 10, 1983COMPLETED BY: L. K. MillerTELEPHONE: (609)935-6000 Ext. 4455

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
1EC-1594	Civil/Structure	Install a wire mesh cargo netting between building wall and water storage tank.

* DESIGN CHANGE REQUEST
8-1-7.R1

MAJOR PLANT MODIFICATIONS
REPORT MONTH JULY 1983

DOCKET NO.: 50-272
UNIT NAME: Salem 1
DATE: August 10, 1983
COMPLETED BY: L.K. Miller
TELEPHONE: 609/935-6000 X4455

*DCR NO. 10CFR50.59

SAFETY EVALUATION

1EC-1594 Installation of this DCR provides an additional measure of safety to protect the water storage tank in the event that a seismic action causes the building wall to fall. No unreviewed safety or environmental questions are involved.

* Design Change Request

P S E & G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 1

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
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924542	MD	1	VALVE 1PR2
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FAILURE DESCRIPTION: VALVE LEAKS THROUGH. 830304

CORRECTIVE ACTION: REPLACED STEM, PLUG, AND CAGE. 830305.

924544	MD	1	RX TRIP BKR A
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FAILURE DESCRIPTION: REPLACE UV DEVICE AND PERFORM M3Q-2.

CORRECTIVE ACTION: INSTALLED UV DEVICE AND PERFORMED M3Q-2 - SAT. 830305.

924545	MD	1	RX TRIP BKR B
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FAILURE DESCRIPTION: REPLACE UV DEVICE AND PERFORM M3Q-2. 830305.

CORRECTIVE ACTION: INSTALLED UV DEVICE AND PERFORMED M3Q-2 - SAT. 830305

924546	MD	1	RX BYPASS BKR A
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FAILURE DESCRIPTION: REPLACE UV DEVICE AND PERFORM M3Q-2. 830305.

CORRECTIVE ACTION: REPLACED UV DEVICE AND PERFORMED M3Q-2 - SAT. 830305.

924547	MD	1	RX BYPASS BKR B
--------	----	---	-----------------

FAILURE DESCRIPTION: REPLACE UV DEVICE AND PERFORM M3Q-2. 830305.

CORRECTIVE ACTION: REPLACED UV DEVICE AND PERFORMED M3Q-2 - SAT. 830306.

924573	MD	1	RX TRIP BKR A
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FAILURE DESCRIPTION: PERFORM QTS CHANGE 2 OF M3Q-2. PERFORM UV TRIP TEST 10 TIMES, ONCE EVERY HALF HOUR. 830307.

CORRECTIVE ACTION: PERFORMED CHANGE AND TRIP TEST - SAT. 830307.

P S E & G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 1

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
924578	MD	1	RX TRIP BKR B
FAILURE DESCRIPTION: PERFORM QTS CHANGE 2 OF M3Q-2 AND UV TRIP TEST 10 TIMES ONCE EVERY HALF HOUR. 830308.			
CORRECTIVE ACTION: PERFORMED CHANGE AND TEST - SAT. 830308			
924579	MD	1	RX TRP BPSS BKR A
FAILURE DESCRIPTION: PERFORM QTS CHANGE 2 OF M3Q-2 AND UV TRIP TEST 10 TIMES EVERY HALF HOUR. 830308			
CORRECTIVE ACTION: PERFORMED CHANGE AND TRIP TEST - SAT. 830309.			
924601	MD	1	RX TRIP BKR A
FAILURE DESCRIPTION: PERFORM INSPECTION OF 28VDC AND 125VDC CONTROL CIRCUITS. 830309.			
CORRECTIVE ACTION: TESTED SAT AS PER M3C. 830326			
924602	MD	1	RX TRIP BREAKER B
FAILURE DESCRIPTION: PERFORM INSPECTION OF THE 28VDC AND 125 VDC CONTROL CIRCUITS. 830309.			
CORRECTIVE ACTION: TESTED SAT AS PER M3C. 830326			
924603	MD	1	RX TRIP BPSS BKR A
FAILURE DESCRIPTION: PERFORM INSPECTION OF THE 28VDC AND THE 125VDC CONTROL CIRCUITS. 830309.			
CORRECTIVE ACTION: PERFORMED M3C AND FOUND CIRCUIT TO BE FUNCTIONING CORRECTLY. 830413			
924604	MD	1	RX TRIP BYPASS BKR B
FAILURE DESCRIPTION: PERFORM INSPECTION OF THE 28VDC AND 125VDC CONTROL CIRCUITS. 830309.			
CORRECTIVE ACTION: PERFORMED M3C AND FOUND CIRCUITS TO BE FUNCTIONING CORRECTLY. 830413			

P S E & G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 1

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
932275	MD	1	ELECT PENETRATIONS
			FAILURE DESCRIPTION: PERFORM DEW POINT MEASUREMENT AND DOCUMENT EXISTING N2 PRESSURE ON PENETRATIONS 3, 8, 25, 41, 49. 830305
			CORRECTIVE ACTION: DEW POINTS MEASURED AND ALL FITTINGS TIGHTENED OR CHECKED. NO LEAKAGE NOTED FOLLOWING DAY. 830505
922516	OD	1	VALVES 12SW305 & 49
			FAILURE DESCRIPTION: VLV WILL NOT OPERATE CORRECTLY. 12SW HEADER PRESSURE UP TO 150 PSIG AND VLVs DID NOT OPEN. 830504
			CORRECTIVE ACTION: BLEW C/JT INST SNSNG LNS, FOUND 12SW305 STUCK SHUT. IT THUMPS WHEN OPND. VARIED CNTRLR SETPNT. OP OK. 830505
923826	OD	1	13 S/G LEVEL CH 1
			FAILURE DESCRIPTION: CHANNEL READING ERRATIC. 830609.
			CORRECTIVE ACTION: ISOLATOR 1LM-539A HAD BLOWN CAPACITORS. REPLACED 1 SOLATORS. 830609
923882	OD	1	ROD CONTROL
			FAILURE DESCRIPTION: W/CNTRL RODS @ 228 STEPS IND'D ON ALL CNTRL RM INS TRMNIN, STEP C CNTR INC TO 230 STEPS. 830608
			CORRECTIVE ACTION: SETPOINT ON 1DC442D DRIFTED AND DID NOT TRIP. REPLACED COMPARATOR AND SET TRIP SET POINT. 830609
923927	OD	1	13 CHILLER
			FAILURE DESCRIPTION: RECIRCULATION PUMP IS LEAKING OIL. 830602
			CORRECTIVE ACTION: REPLACED MECHANICAL SEAL, 2 OIL SEALS, GASKETS, O-RING AND SHAFT SLEEVES. 830610

P S E & G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 1

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
923997	OD	1	VALVE OP, 12RH29
			FAILURE DESCRIPTION: AT RCS N.O.P. AND 12 RHR PUMP I/S, 12RH29 WILL CLOSE IF LEFT IN AUTO. 830528
			CORRECTIVE ACTION: REPLCD DUAL CMPRTR 1FC-641B/D. ADJSTD #1 OUTPT TRIP TO 5.0/RESET 4.96. #2 TO 2.0/RESET 2.04. 830601
932418	OD	1	AFP ROOM COOLER
			FAILURE DESCRIPTION: COOLER HAS SERVICE WATER LEAK. 830501.
			CORRECTIVE ACTION: FUND LEAK. REMOVED MILLSCALE AND PATCHED WITH BELZONA. 830502.
935360	OD	1	CONT AIR LOCK EL130
			FAILURE DESCRIPTION: OUTER DOOR FAILED LEAK RATE. 830427
			CORRECTIVE ACTION: ORIGINAL SEAL WAS POSITIONED IN DOOR. 830428
938285	OD	1	15 SW PUMP STRAINER
			FAILURE DESCRIPTION: STRAINER RUNS WITH A DELTA P OF 30 PSID. 830711
			CORRECTIVE ACTION: REPLACED ELEMENTS AND UPPER SHEKT. 830713
938683	OD	1	13 SERVICE WTR PUMP
			FAILURE DESCRIPTION: MOTOR AMPS ARE VERY LOW AND PUMP DISCHARGE PRESSURE IS LOW. 830704
			CORRECTIVE ACTION: REPLACED PUMP WITH SPARE. 830707

REFUELING INFORMATION

COMPLETED BY: L.K. MillerDOCKET NO.: 50-272UNIT NAME: Salem 1DATE: August 10, 1983TELEPHONE: 609/935-6000EXTENSION: 4455Month July 1983

1. Refueling information has changed from last month:
YES _____ NO X
2. Scheduled date for next refueling: August 4, 1984
3. Scheduled date for restart following refueling: October 21, 1984
4. A) Will Technical Specification changes or other license amendments be required?
YES _____ NO _____
NOT DETERMINED TO DATE 8/1/83
- B) Has the reload fuel design been reviewed by the Station Operating Review Committee?
YES _____ NO X
If no, when is it scheduled? July 1984
5. Scheduled date(s) for submitting proposed licensing action:
July 1984 (if required)
6. Important licensing considerations associated with refueling:
NONE

7. Number of Fuel Assemblies:
A) Incore 193
B) In Spent Fuel Storage 212
8. Present licensed spent fuel storage capacity: 1170
Future spent fuel storage capacity: 1170
9. Date of last refueling that can be discharged to spent fuel pool assuming the present licensed capacity: September 1996

8-1-7.R4

SALEM UNIT 1

OPERATIONS SUMMARY REPORT

JULY 1983

Unit No. 1 began the month at 100% power and continued to maintain full power until July 14th, when power was reduced 7% during performance of a leak test on the feedwater heaters. On July 15th, the unit was again at full power and continued to operate at 100% until July 24th, when power was reduced to approximately 57% for repairs to No. 12 Feedwater pump high point vent. A new valve and nipple were welded on and the unit was returned to full power operation. Unit No. 1 attained an average rated thermal power of 99.3% for the month of July.



PSEG

Public Service Electric and Gas Company P.O. Box E Hancocks Bridge, New Jersey 08038

Salem Generating Station

August 10, 1983

Director, Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Sir:

MONTHLY OPERATING REPORT
SALEM NO. 1
DOCKET NO. 50-272

In Compliance with Section 6.9, Reporting Requirements for the Salem Technical Specifications, 10 copies of the following monthly operating reports for the month of July 1983 are being sent to you.

Average Daily Unit Power Level
Operating Data Report
Unit Shutdowns and Power Reductions
Major Plant Modification
Summary of Safety Related Maintenance
Operating Summary
Refueling Information

Sincerely yours,

J. M. Zupko, Jr.
General Manager - Salem Operations

LKM:sbh

cc: Dr. Thomas E. Murley
Regional Administrator USNRC
Region I
631 Park Avenue
King of Prussia, PA 19406

Director, Office of Management
Information and Program Control
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Enclosures
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